**Product Name: DDX3 Rabbit Polyclonal Antibody**
**Catalog #: APRab09880**

## Summary

| | |
|---|---|
| **Production Name** | DDX3 Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB,ELISA |
| **Reactivity** | Human,Mouse |

## Performance

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|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

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|---|---|
| **Gene Name** | DDX3X/DDX3Y |
| **Alternative Names** | DDX3X; DBX; DDX3; ATP-dependent RNA helicase DDX3X; DEAD box protein 3; X-chromosomal; DEAD box, X isoform; Helicase-like protein 2; HLP2; DDX3Y; DBY; ATP-dependent RNA helicase DDX3Y; DEAD box protein 3, Y-chromosomal |
| **Gene ID** | 1654/8653 |
| **SwissProt ID** | O00571/O15523.The antiserum was produced against synthesized peptide derived from N-ternal human DDX3. AA range:14-63 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications. |
| **Molecular Weight** | 73kD |

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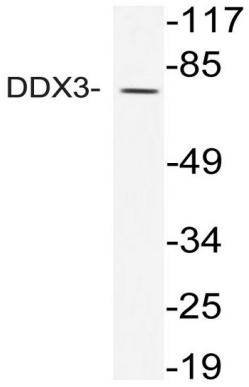
## Background

The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to be stimulated by both RNA and DNA. This protein has multiple conserved domains and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similaritfunction:ATP-dependent RNA helicase. Acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. Also involved in HIV-1 replication. Interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. DDX3/DED1 subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,subcellular location:Located predominantly in nuclear speckles and, at low levels, throughout the cytoplasm. Located to the outer side of nuclear pore complexes (NPC). Shuttles between the nucleus and the cytoplasm in a XPO1-dependent manner.,subunit:Found in a complex with Rev and XPO1. Interacts with XPO1 and TDRD3. Interacts with HCV core protein.,

## Research Area

RIG-I-like receptor;

## Image Data




Western blot analysis of lysate from Jurkat cells, using DDX3 antibody.

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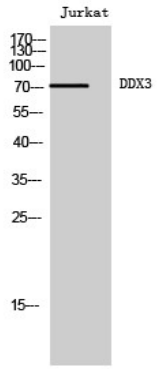
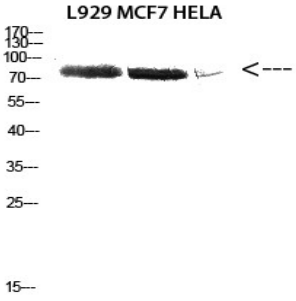



Western Blot analysis of Jurkat cells using DDX3 Polyclonal Antibody diluted at 1： 2000




Western Blot analysis of L929 MCF7 HELA cells using Antibody diluted at 2000. Secondary antibody was diluted at 1:20000

## Note

For research use only.